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## RAW SEQUENCE LISTING

DATE: 03/05/2004

PATENT APPLICATION: US/10/667,004

TIME: 09:54:10

Input Set : N:\DA\pto.da.txt

Output Set: N:\CRF4\03052004\J667004.raw

3 <110> APPLICANT: INTEL CORPORATION  
 4 CHAN, Selena  
 5 SU, Xing  
 6 YAMAKAWA, Mineo  
 8 <120> TITLE OF INVENTION: CONTROLLED ALIGNMENT OF NANO-BARCODES ENCODING SPECIFIC  
 INFORMATION FOR  
 9 SCANNING PROBE MICROSCOPY (SPM)  
 11 <130> FILE REFERENCE: INTEL1310-1(P14240X)  
 13 <140> CURRENT APPLICATION NUMBER: US 10/667,004  
 14 <141> CURRENT FILING DATE: 2003-09-19  
 16 <150> PRIOR APPLICATION NUMBER: US 10/251,152  
 17 <151> PRIOR FILING DATE: 2002-09-20  
 19 <160> NUMBER OF SEQ ID NOS: 26  
 21 <170> SOFTWARE: PatentIn version 3.1  
 23 <210> SEQ ID NO: 1  
 24 <211> LENGTH: 30  
 25 <212> TYPE: PRT  
 26 <213> ORGANISM: Artificial sequence  
 28 <220> FEATURE:  
 29 <223> OTHER INFORMATION: Synthetic peptide  
 31 <400> SEQUENCE: 1  
 33 Ala Ala Met Ala Ala Lys Ala Met Ala Ala Met Ala Lys Ala Val Ala  
 34 1 5 10 15  
 37 Met Ala Ala Lys Ala Val Ala Ala Met Ala Lys Ala Ala Ala  
 38 20 25 30  
 41 <210> SEQ ID NO: 2  
 42 <211> LENGTH: 25  
 43 <212> TYPE: PRT  
 44 <213> ORGANISM: Artificial sequence  
 46 <220> FEATURE:  
 47 <223> OTHER INFORMATION: Synthetic peptide  
 49 <400> SEQUENCE: 2  
 51 Gly Ala Leu Tyr Ala Met Ala Arg Ala Val His Ala Met Ala Glu Ala  
 52 1 5 10 15  
 55 Ala Cys Gln Ala Ala Trp Ala Met Gly  
 56 20 25  
 59 <210> SEQ ID NO: 3  
 60 <211> LENGTH: 40  
 61 <212> TYPE: DNA  
 62 <213> ORGANISM: Artificial sequence  
 64 <220> FEATURE:  
 65 <223> OTHER INFORMATION: Synthetic oligonucleotide  
 67 <400> SEQUENCE: 3  
 68 ttgggtacac ttacctggta cccaccccg agttaggggc

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71 <210> SEQ ID NO: 4
72 <211> LENGTH: 60
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Synthetic oligonucleotide
79 <400> SEQUENCE: 4
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83 <210> SEQ ID NO: 5
84 <211> LENGTH: 70
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial sequence
88 <220> FEATURE:
89 <223> OTHER INFORMATION: Synthetic oligonucleotide
91 <400> SEQUENCE: 5
92 tggctagtc agcaaccata agaagtactc tcgagaagct ttttgaattc tttggatcca      60
94 tggggcggag                                     70
97 <210> SEQ ID NO: 6
98 <211> LENGTH: 60
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Synthetic oligonucleotide
105 <400> SEQUENCE: 6
106 ctccgcccc ctagtgtcga cctgcaggcg cgcgagctcc aatgggcgga caatggcaca      60
109 <210> SEQ ID NO: 7
110 <211> LENGTH: 70
111 <212> TYPE: DNA
C--> 112 <213> ORGANISM: Artificial sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Synthetic oligonucleotide
117 <400> SEQUENCE: 7
118 tgtgccattg tccgcccatt agcttttggt cccttagtg agggttaatt tcgagcttg      60
120 attgagatgc                                     70
123 <210> SEQ ID NO: 8
124 <211> LENGTH: 60
125 <212> TYPE: DNA
126 <213> ORGANISM: Artificial sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Synthetic oligonucleotide
131 <400> SEQUENCE: 8
132 gcatctcaat cgtaatcaag gtcatactg tttcctgtgt ttgcatactt ctgccattcg      60
135 <210> SEQ ID NO: 9
136 <211> LENGTH: 70
137 <212> TYPE: DNA
138 <213> ORGANISM: Artificial sequence
140 <220> FEATURE:
141 <223> OTHER INFORMATION: Synthetic oligonucleotide
143 <400> SEQUENCE: 9

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144 cgaatggcag aagtatgcaa gaaattgtta tccgctcaca attccacaca atatacgagc 60
146 tgctggggag 70
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150 <211> LENGTH: 60
151 <212> TYPE: DNA
152 <213> ORGANISM: Artificial sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Synthetic oligonucleotide
157 <400> SEQUENCE: 10
158 ctccccagca cggaagtata aagtgtaaaag cctgggggtgc ggatgggdcgg aatgagactg 60
161 <210> SEQ ID NO: 11
162 <211> LENGTH: 61
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: Synthetic oligonucleotide
169 <400> SEQUENCE: 11
170 acagtctcat tccgcccata cctaatgagt gagctaactc acagtaattg cggctagcgg 60
172 a 61
175 <210> SEQ ID NO: 12
176 <211> LENGTH: 74
177 <212> TYPE: DNA
178 <213> ORGANISM: Artificial sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: Synthetic oligonucleotide
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184 tcgagagtac ttctagagcg gccgcggggcc catcgatttt ccacccgggt ggggtaccag 60
186 gtaagtgtac ccaa 74
189 <210> SEQ ID NO: 13
190 <211> LENGTH: 78
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Synthetic oligonucleotide
197 <400> SEQUENCE: 13
198 ctactactaaag ggaacaaaag ctggagctcg cgcgccctgca ggtcgacact agtggatcca 60
200 aagaattcaa aaagcttc 78
203 <210> SEQ ID NO: 14
204 <211> LENGTH: 74
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Synthetic oligonucleotide
211 <400> SEQUENCE: 14
212 tggaattgtg agcggataac aatttcacac aggaaacagc tatgaccttg attacgccaa 60
214 gctcgaaatt aacc 74
217 <210> SEQ ID NO: 15
218 <211> LENGTH: 84
219 <212> TYPE: DNA

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220 <213> ORGANISM: Artificial sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: Synthetic oligonucleotide
225 <400> SEQUENCE: 15
226 tccggtagcc gcaattactg tgagtttagct cactcattag gcaccccgagg ctttacactt      60
228 tatacttccg gctcgtatat tgtg                                             84
231 <210> SEQ ID NO: 16
232 <211> LENGTH: 32
233 <212> TYPE: PRT
234 <213> ORGANISM: Artificial sequence
236 <220> FEATURE:
237 <223> OTHER INFORMATION: Synthetic peptide
239 <400> SEQUENCE: 16
241 Gly Gly Gly Lys Gly Gly Gly Lys Gly Gly Gly Lys Gly Gly Gly Lys
242 1          5          10          15
245 Gly Gly Gly Lys Gly Gly Gly Lys Gly Gly Gly Lys Gly Gly Gly Lys
246          20          25          30
249 <210> SEQ ID NO: 17
250 <211> LENGTH: 49
251 <212> TYPE: PRT
252 <213> ORGANISM: Artificial sequence
254 <220> FEATURE:
255 <223> OTHER INFORMATION: Synthetic peptide
257 <400> SEQUENCE: 17
259 Ala Ala Ala Ala Ala Ala Lys Ala Ala Ala Ala Ala Ala Lys Ala Ala
260 1          5          10          15
263 Ala Ala Ala Ala Lys Ala Ala Ala Ala Ala Ala Ala Lys Ala Ala Ala Ala
264          20          25          30
267 Ala Ala Lys Ala Ala Ala Ala Ala Ala Lys Ala Ala Ala Ala Ala Ala Ala
268          35          40          45
271 Lys
275 <210> SEQ ID NO: 18
276 <211> LENGTH: 32
277 <212> TYPE: PRT
278 <213> ORGANISM: Artificial sequence
280 <220> FEATURE:
281 <223> OTHER INFORMATION: Synthetic peptide
283 <400> SEQUENCE: 18
285 Gly Gly Gly Glu Gly Gly Gly Glu Gly Gly Gly Glu Gly Gly Gly Glu
286 1          5          10          15
289 Gly Gly Gly Glu Gly Gly Gly Glu Gly Gly Gly Glu Gly Gly Gly Glu
290          20          25          30
293 <210> SEQ ID NO: 19
294 <211> LENGTH: 42
295 <212> TYPE: PRT
296 <213> ORGANISM: Artificial sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: Synthetic peptide
301 <400> SEQUENCE: 19

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303 Ala Ala Ala Ala Ala Glu Ala Ala Ala Ala Ala Glu Ala Ala Ala Ala
304 1          5          10          15
307 Ala Glu Ala Ala Ala Ala Glu Ala Ala Ala Ala Ala Glu Ala Ala
308          20          25          30
311 Ala Ala Ala Glu Ala Ala Ala Ala Ala Glu
312          35          40
315 <210> SEQ ID NO: 20
316 <211> LENGTH: 63
317 <212> TYPE: PRT
318 <213> ORGANISM: Artificial sequence
320 <220> FEATURE:
321 <223> OTHER INFORMATION: Synthetic peptide
323 <400> SEQUENCE: 20
325 Ala Ala Ala Ala Ala Ala Lys Ala Ala Ala Ala Ala Ala Lys Ala Ala
326 1          5          10          15
329 Ala Ala Ala Ala Lys Ala Ala Ala Ala Ala Ala Lys Ala Ala Ala Ala
330          20          25          30
333 Ala Ala Lys Ala Ala Ala Ala Ala Ala Lys Ala Ala Ala Ala Ala Ala
334          35          40          45
337 Lys Ala Ala Ala Ala Ala Ala Lys Ala Ala Ala Ala Ala Ala Lys
338          50          55          60
341 <210> SEQ ID NO: 21
342 <211> LENGTH: 28
343 <212> TYPE: PRT
344 <213> ORGANISM: Artificial sequence
346 <220> FEATURE:
347 <223> OTHER INFORMATION: Synthetic peptide
349 <400> SEQUENCE: 21
351 Ala Ala Lys Ala Ala Ala Lys Ala Ala Lys Ala Ala Ala Lys Ala Ala
352 1          5          10          15
355 Lys Ala Ala Ala Lys Ala Ala Lys Ala Ala Ala Lys
356          20          25
359 <210> SEQ ID NO: 22
360 <211> LENGTH: 7
361 <212> TYPE: PRT
362 <213> ORGANISM: Artificial sequence
364 <220> FEATURE:
365 <223> OTHER INFORMATION: Synthetic peptide
367 <400> SEQUENCE: 22
369 Lys Lys Lys Lys Lys Lys Lys
370 1          5
373 <210> SEQ ID NO: 23
374 <211> LENGTH: 56
375 <212> TYPE: PRT
376 <213> ORGANISM: Artificial sequence
378 <220> FEATURE:
379 <223> OTHER INFORMATION: Synthetic peptide
381 <400> SEQUENCE: 23
383 Ala Ala Ala Ala Ala Ala Glu Ala Ala Ala Ala Ala Ala Glu Ala Ala

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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/667,004

DATE: 03/05/2004

TIME: 09:54:11

Input Set : N:\DA\pto.da.txt

Output Set: N:\CRF4\03052004\J667004.raw

L:112 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7